

CITY OF DANVILLE, VIRGINIA



VSMP MS4 GENERAL PERMIT PROGRAM PLAN

GENERAL PERMIT REGISTRATION NUMBER VAR040018

Introduction

The City of Danville, Virginia

The City of Danville is located in southside Virginia next to the Virginia/ North Carolina state line. Danville is situated approximately 65 miles south of Lynchburg, VA, 28 miles east of Martinsville, VA, 25 miles west of South Boston, VA and 45 miles north of Greensboro, NC. According to the 2010 Census, the population of Danville is just over 43,000. Danville is approximately 44 square miles in area. The average yearly rainfall is 45" while snowfall averages 6". Stormwater from the City of Danville discharges directly into the Dan River or its tributaries.

Municipal Separate Storm Sewer System (MS4)

An MS4 includes the following stormwater conveyances: road drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels and storm drains which are owned or operated by a federal, state or local government entity. Stormwater that is conveyed in an MS4 does not discharge to a publicly owned treatment plant. The stormwater is discharged directly into the environment.

MS4 regulations were developed by the Environmental Protection Agency and implemented in two phases. Implementation of Phase I regulations began in the early 1990s and required that operators of MS4s serving populations of at least 100,000 people obtain permit coverage to discharge stormwater from their outfalls to the environment. Phase II regulations became effective in 2003 and required localities that operated small MS4s in urbanized areas apply for permit coverage. These areas include cities, counties, towns, federal facilities (such as military bases), state facilities (such as community colleges) and parkways. Danville is considered a Phase II community with a small MS4.

MS4 Program Plan

The requirement for the MS4 Program Plan is a result of the National Pollutant Discharge Elimination System (NPDES) permit program. As authorized by the Clean Water Act, the permit is used to control water pollution by regulating point sources

that discharge pollutants into waters of the United States. The Plan is required to be implemented by localities to control the discharge of pollutants from their storm sewer systems to the maximum extent practicable in a manner that protects the water quality in nearby streams, rivers, wetlands and other watercourses. In the state of Virginia, the NPDES permit for MS4s is known as the Virginia Stormwater Management Program (VSMP) Permit. This should not be confused with the VSMP General Permit for Construction Activities.

The purpose of this plan is to detail the Best Management Practices (BMPs) and associated goals for the following Six Minimum Measures as defined by the VSMP Permit:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Runoff Control For Development and Redevelopment
6. Good Housekeeping and Pollution Prevention for Municipal Operations

Annual Report

The permit requires an annual report be submitted to DEQ each year by the locality. The purpose of the annual report is to discuss the BMPs listed in the Program Plan and to evaluate the effectiveness of that plan. The annual report covers the permit period from July 1 of a certain year to June 30 of the following year. The due date for submitting each annual report is October 1. The annual report is to be submitted to the regional DEQ office.

Funding

Funding for the City's MS4 Program is provided by the City of Danville general funds. Danville currently does not have a stormwater utility fee.

Multiple Departmental Participation

Certain sections of this MS4 Program Plan require the cooperation of multiple departments in the City of Danville. A list of departments and a brief summary of their roles in the program are as follows:

- Public Works: Administration of the Program Plan, updating the Program Plan, submission of the annual report, public education, illicit discharge detection, construction and post-construction stormwater management, stormwater webpage, department employee education, department facility and activity housekeeping measures.
- Utilities (Power & Light and Water & Gas, Water and Wastewater Treatment): Employee education, facility and activity housekeeping measures.
- Parks and Recreation: Employee education, facility and activity housekeeping measures.
- Fire Department: Employee education, facility housekeeping measures, spill control.

City of Danville - MS4 Program Plan Contact List

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Fire Department

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.1: Stormwater Pollution Prevention Information

BMP 1.2: Water Conservation Tips

BMP 1.3: Pet Waste Management

BMP 1.4: Priority on Reducing Impacts to Listed Impaired Waters and Other Local Water Pollution Concerns

BMP 1.5: Increased City Employee Knowledge Concerning Illegal Discharges

BMP 1.6: Increased Business Knowledge Concerning Illegal Discharges

BMP 1.7: Increased General Public Knowledge Concerning Illegal Discharges

BMP 1.8: Encourage and Assist with Stream Clean-Ups

BMP 1.9: Target Audiences

BMP 1.10: Outreach to Neighborhood Organizations

BMP 1.11: Outreach to Grade School Students

BMP 1.12: Enviroscope Demonstrations

BMP 1.13: Targeted Strategies Towards Local Engineers and Contractors

BMP 1.14: Targeted Strategies Towards Local Lawn Care Providers

BMP 1.15: Public Education Outreach Plan

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.1: Stormwater Pollution Prevention Information

Existing Resources: Printed materials, media sources

Responsibility for Implementation: Public Works

BMP Objective: To provide citizens access to stormwater pollution prevention information

Expected Results: Increased citizen knowledge of stormwater pollution prevention practices

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- An article will be published at least once annually in an internal publication concerning residential stormwater pollution and how it can be reduced or prevented.
- Printed material will be placed at various locations around the city concerning residential stormwater pollution and how it can be reduced or prevented.
- The city's website will be modified to include tips for residential stormwater pollution prevention.
- Information will be posted on the River City TV bulletin board about household stormwater pollution prevention.
- The City will present the video "After the Storm" on the local government access channel.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.2: Water Conservation Tips

Existing Resources: Printed material, website information

Responsibility for Implementation: Public Works, Danville Utilities

BMP Objective: Increased citizen knowledge about the benefits of water conservation practices

Expected Results: Greater public knowledge of the benefits of water conservation

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The city's website will be modified to include tips for water conservation.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.3: Pet Waste Management

Existing Resources: Pet Waste Ordinance

Responsibility for Implementation: Public Works, Parks & Recreation

BMP Objective: Increased citizen knowledge about the impacts of pet waste on stormwater quality

Expected Results: Greater public knowledge of the impacts of pet waste on stormwater quality

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Printed material will be placed at various locations around the city concerning the importance of pet waste management.
- Information will be posted on the city's website concerning the importance of pet waste management.
- Information will be posted on the River City TV bulletin board about the importance of pet waste management.
- A pet waste ordinance requiring pet waste pick-up on public property will be maintained.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.4: Priority on Reducing Impacts to Listed Impaired Waters and Other Local Water Pollution Concerns

Existing Resources: Impaired waters map

Responsibility for Implementation: Public Works

BMP Objective: Citizens education of impaired waters in the City of Danville

Expected Results: Increased citizen knowledge of impaired waters

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- A map of impaired waters in the city as defined by the Department of Environmental Quality (DEQ) will be maintained on the City of Danville's website.
- Any other water pollution concerns will be also be listed on the website.
- A reduction of pollution impacts on these waters will be emphasized.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.5: Increased City Employee Knowledge Concerning Illegal Discharges

Existing Resources: Printed information

Responsibility for Implementation: All departments

BMP Objective: To educate city employees about illegal discharges

Expected Results: Increased employee knowledge of illegal discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Information will be made available to City employees via the City website, newsletters, or other forms of internal communication concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.6: Increased Business Knowledge Concerning Illegal Discharges

Existing Resources: Website information, River City TV

Responsibility for Implementation: Public Works

BMP Objective: Education of business concerning illegal discharges

Expected Results: Increased knowledge by businesses concerning illegal discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Information will be posted on the city's website concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.
- Information will be listed on the city's website concerning hazards associated with illegal discharges and improper disposal of waste.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.7: Increased General Public Knowledge Concerning Illegal Discharges
Existing Resources: City website, River City TV
Responsibility for Implementation: Public Works
BMP Objective: Education of citizens concerning illegal discharges
Expected Results: Increased knowledge by citizens concerning illegal discharges
Implementation Schedule: Currently implemented
Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary
Measurable Goals: <ul style="list-style-type: none">▪ Information will be placed at various locations around the city concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications. This information may also contain other stormwater pollution information.▪ Information will be posted on the city's website concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.▪ Information will be periodically posted on the River City TV bulletin board concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.8: Encourage and Assist with Stream Clean-Ups

Existing Resources: Parks & Recreation sponsors river clean-ups

Responsibility for Implementation: Parks & Recreation

BMP Objective: To promote public involvement in the removal of trash from local waterways

Expected Results: More public interest in cleaning up local waterways, more public awareness about pollution

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Local groups will be encouraged and assisted by the city to have waterway cleanup days each year.
- Stream clean ups will be promoted using fliers (or other informational bulletins), the city's website, and/or the River City TV bulletin board.
- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.
- Danville Parks and Recreation will sponsor one waterway cleanup day each year.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.9: Target Audiences

Existing Resources: City horticulturalist speaks at local garden club or civic group meeting

Responsibility for Implementation: Public Works

BMP Objective: Education of specific audiences about stormwater pollution and proper lawn care

Expected Results: Better understanding by target audience of stormwater pollution prevention

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The city will have a designated speaker at a local garden club and/or local civic group meeting when possible to discuss stormwater pollution prevention and good lawn care practices. Informational handouts will also be offered at each engagement.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.10: Outreach to Neighborhood Organizations

Existing Resources: Informational brochures

Responsibility for Implementation: Public Works / Housing & Development

BMP Objective: Educate citizens about stormwater pollution prevention

Expected Results: Better understanding by citizens of stormwater pollution and its prevention

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City will periodically distribute stormwater pollution prevention information to the president or contact person for the nine local neighborhood organizations.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.11: Outreach to Grade School Students

Existing Resources: Parks & Recreation school programs

Responsibility for Implementation: Parks & Recreations

BMP Objective: Education of schools students about stormwater pollution

Expected Results: Better understanding of stormwater pollution by school students

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Information relating to stormwater pollution and its prevention will be presented to participating school students.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.12: Enviroscope Demonstrations

Existing Resources: Enviroscope model

Responsibility for Implementation: Parks & Recreation

BMP Objective: Education of school students about stormwater pollution and its effects on the environment

Expected Results: Greater understanding of school students about stormwater pollution and its effects on the environment

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Parks & Recreation will make efforts to contact local schools about making presentations with the enviroscope model.
- Any presentations made will be documented.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.13: Targeted Strategies Towards Local Engineers and Contractors
Existing Resources: Periodic meetings with local engineers and contractors
Responsibility for Implementation: Public Works
BMP Objective: Education of local engineers and contractors about changing stormwater regulations or requirements
Expected Results: Better stormwater management plans and better construction site control of pollutants
Implementation Schedule: Currently implemented
Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary
Measurable Goals: <ul style="list-style-type: none">▪ The city will hold an information session for local contractors and developers anytime there is a change to the existing city ordinances or requirements concerning erosion and sediment control or stormwater management. The city will document the date of any meetings, attendance, and any suggestions that were made to the city during or as a result of the meeting.▪ The city will hold an information session for local engineering firms anytime there is a change to the existing city ordinances or requirements concerning erosion and sediment control or stormwater management or if there are in changes to the VSMP construction permit. The city will document the date of any meetings, attendance, and any comments that were made to the city during or as a result of the meeting.

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Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.14: Targeted Strategies Towards Local Lawn Care Providers

Existing Resources: Printed material, information on city website

Responsibility for Implementation: Public Works

BMP Objective: Education of local lawn care providers about how they can help reduce stormwater pollution

Expected Results: Better understanding by local lawn care providers of stormwater pollution prevention practices

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Information concerning stormwater pollution from fertilizers and yard waste will be distributed to all local listed lawn care service providers in the city.
- Information will be posted on the city's website and the River City TV bulletin board concerning proper lawn care practices.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach on Stormwater Impacts

BMP 1.15: Public Education Outreach Plan

Existing Resources: Printed materials, River City TV bulletin board

Responsibility for Implementation: Public Works

BMP Objective: To educate target populations concerning specific water quality issues.

Expected Results: More knowledge by targeted populations

Implementation Schedule:

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Three high priority water quality issues shall be identified.
- Identify and estimate the population size of the target audience.
- Develop and distribute relevant messages to address each identified issue to at least 20% of the target audience annually and provide opportunities for public participation.

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Minimum Measure #2: Public Involvement / Participation

BMP 2.1: Promotion of the Availability of the City of Danville's MS4 Program Plan

BMP 2.2: Access to the MS4 Annual Report

BMP 2.3: Creeks, Streams, and River Cleanups

BMP 2.4: Citizen Reporting

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #2: Public Involvement / Participation

BMP 2.1: Promotion of the Availability of the City of Danville's MS4 Program Plan

Existing Resources: Hard copy, digital copy

Responsibility for Implementation: Public Works

BMP Objective: To provide public access to the MS4 Program Plan

Expected Results: More public knowledge and interest concerning the MS4 Program Plan

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City will promote the availability of the MS4 Program Plan. Any ordinance modifications associated with the Plan will be advertised for public review and comment.
- Copies of the MS4 Program Plan will be made available to any interested parties upon request. The contents of the MS4 Program Plan will also be made available on the City's website.
- The City will document and consider all comments received from the public concerning the Program Plan.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #2: Public Involvement / Participation

BMP 2.2: Access to the MS4 Annual Report

Existing Resources: Hard copy, digital copy

Responsibility for Implementation: Public Works

BMP Objective: To provide public access to the MS4 Annual Report

Expected Results: More public knowledge and interest concerning the MS4 Annual Report

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City will promote the availability of the MS4 Annual Report.
- Copies of the MS4 Annual Report will be made available to any interested parties upon request. The contents of the MS4 Annual Report will also be made available on the City's website.
- The City will document and consider all comments received from the public concerning the report.

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Minimum Measure #2: Public Involvement / Participation

BMP 2.3: Creeks, Streams, and River Cleanups

Existing Resources: Parks and Recreation currently sponsors at least one river cleanup day annually

Responsibility for Implementation: Parks & Recreation

BMP Objective: To promote public involvement in removal of trash from local waterways

Expected Results: More public interest in cleaning up local waterways, more public awareness about waterway pollution

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Local groups will be encouraged and assisted by the city to have waterway cleanup days each year.
- Stream clean ups will be promoted using printed material, the city's website, and/or the River City TV bulletin board.
- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.
- Parks and Recreation will sponsor one waterway cleanup day each year.

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Minimum Measure #2: Public Involvement / Participation

BMP 2.4: Citizen Reporting

Existing Resources: Contact number

Responsibility for Implementation: Public Works

BMP Objective: Specify how citizens can contact the City with stormwater pollution concerns

Expected Results: More organized public reporting about stormwater pollution concerns or complaints

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City will establish a publicized phone number for the purpose of reporting illicit discharges or other stormwater concerns from citizens.
- The City will establish an email address for the purpose of reporting illicit discharges or other stormwater pollution concerns from citizens.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.1: Illicit Discharge Detection and Elimination (IDDE) Program Administration

BMP 3.2: Outfall assessment (Dry Weather Screening Program)

BMP 3.3: Preventing Illicit Discharges

BMP 3.4: Finding and Fixing Illicit Discharges

BMP 3.5: Storm Sewer Mapping

BMP 3.6: Sanitary Sewer Mapping

BMP 3.7: Urban Stormwater Quality Management and Discharge Control Ordinance

BMP 3.8: Commercial Car Washes

BMP 3.9: Illegal Dumping / Accumulated Waste Ordinance

BMP 3.10: Septic System Not Allowed In Lieu of Sanitary Connection

BMP 3.11: Reduce Potential for Sanitary Sewer Overflows

BMP 3.12: Inoperative / Abandoned Vehicles

BMP 3.13: Hazardous Materials Response Team

BMP 3.14: Establish a Tracking and Reporting System for Illicit Discharges

BMP 3.15: Notification of Downstream-Regulated MS4

BMP 3.16: Illicit Discharge Procedures Manual

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.1: Illicit Discharge Detection and Elimination (IDDE) Program Administration

Existing Resources: Program administration

Responsibility for Implementation: Public Works

BMP Objective: To provide foundation, guidance and direction for an IDDE Program

Expected Results: Foundation, guidance and direction for the IDDE Program

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- An audit of existing capabilities and needs will be performed.
- One program head and key support staff will be identified.
- The illicit discharge ordinance will be reviewed annually and modified as necessary.
- A tracking and reporting system will be established.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.2: Outfall assessment (Dry Weather Screening Program)

Existing Resources: Outfall identification numbers, outfall locations, outfall information

Responsibility for Implementation: Public Works

BMP Objective: To assess outfalls to determine if an illicit discharge has occurred or is occurring

Expected Results: Detection of any illicit discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Between 25% and 50% of the City's stormwater outfalls will be assessed every 12 months. The City currently has approximately 1,300 identified stormwater outfalls.
- All outfall inspections will be documented with screening forms. A picture of each outfall will be taken. Each outfall will be identified with an identification number.
- Outfalls that have questionable discharges will be investigated.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.3: Preventing Illicit Discharges

Existing Resources: Informational printed material, website

Responsibility for Implementation: Public Works

BMP Objective: Improve citizen awareness of illicit discharges

Expected Results: More conscientious citizen behavior

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Information will be placed at various locations around the City concerning illicit discharges.
- Illicit discharge information will be posted on the City's website and the City government access channel bulletin board.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.4: Finding and Fixing Illicit Discharges

Existing Resources: Storm sewer maintenance crews

Responsibility for Implementation: Public Works

BMP Objective: Locate and correct apparent illicit discharges

Expected Results: Eradication of apparent illicit discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All obvious illicit discharges will be removed.
- Staff will be trained on techniques to find the source of illicit discharges.
- Correct illicit discharges identified through field screenings or citizen complaints.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.5: Storm Sewer Mapping

Existing Resources: GIS

Responsibility for Implementation: Public Works

BMP Objective: Establish and maintain a database of all storm sewer system lines and structures in the right-of-way

Expected Results: Information relating to the locations of all storm drain systems in the city's right-of-way

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Maintaining and updating the storm sewer map on the city's GIS annually.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.6: Sanitary Sewer Mapping

Existing Resources: GIS

Responsibility for Implementation: Public Works

BMP Objective: Establish and maintain a database of all public sanitary sewer system lines and structures

Expected Results: Information relating to the locations of all public sanitary sewer systems

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Maintaining and updating the sanitary sewer map on the city's GIS annually.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.7: Urban Stormwater Quality Management and Discharge Control Ordinance

Existing Resources: Ordinance (Chapter 9 /Article 5 / Division 7)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges and provide enforcement procedures for violations

Expected Results: Establishment of legal framework to prohibit illicit discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- This ordinance prohibits non-stormwater discharges into the storm sewer system. This ordinance also outlines actions that the City can take to correct a non-stormwater discharge as well as penalties that could be imposed.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.8: Commercial Car Washes

Existing Resources: Flier, ordinance (Section 9-179.24)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges from commercial car washes

Expected Results: Reduction or elimination of illicit discharges from commercial car washes

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All known commercial car washes in the City of Danville will be inspected to determine their method of discharge.
- Any car wash not discharging wash waters properly (discharging directly to surface waters or storm drains without a VPDES Permit) will be notified about the violation and given a reasonable time to correct before enforcement actions begin.
- Any potential new car washes must get zoning approval, which includes an evaluation of the method of wastewater discharge.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.9: Illegal Dumping / Accumulated Waste Ordinance

Existing Resources: Ordinance (Chapter 17), code enforcement inspectors

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illegal dumping and accumulated waste and provide enforcement procedures for violations

Expected Results: Less accumulated waste and illegal dumping

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Any illegal dumps that are discovered are removed. All illegal dump cases will be documented.
- Signs shall be placed in areas susceptible to illegal dumping.
- All accumulated waste cases will be documented.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.10: Septic System Not Allowed In Lieu of Sanitary Connection

Existing Resources: Ordinance (Section 34-7)

Responsibility for Implementation: Community Development (Inspections)

BMP Objective: To prohibit the installation of a new septic tank where public sanitary sewer is available

Expected Results: Less infiltration of wastewater from private septic systems into the environment

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Continued enforcement of the City code that does not allow the repair of existing septic systems or the installation of new septic systems in areas that are served by the sanitary sewer system or where sanitary sewer is within 300 ft of the property line.
- Any new septic systems that are allowed to be installed or any septic systems that are repaired must be inspected by the Pittsylvania County Department of Health.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.11: Reduce Potential for Sanitary Sewer Overflows

Existing Resources: Policy, ordinance, sanitary sewer maintenance crews, flushers, cameras, other equipment

Responsibility for Implementation: Public Works

BMP Objective: To reduce the risk of sanitary sewer overflows

Expected Results: Reduced potential of sanitary sewer overflows

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City of Danville maintains over 330 miles of sanitary sewer lines. All sanitary sewers are routinely flushed and checked to make sure they are flowing freely at least once every two years.
- Sanitary sewer lining and reconstruction projects done each year will be tracked.
- Lockdown waterproof tops are now required on all new sanitary sewer manholes on an outfall.
- The City Ordinance shall prohibit stormwater connections to the sanitary sewer system unless the Control Authority grants permission in writing.
- All sanitary sewer overflows are documented and reported to the Department of Environmental Quality. The cause of the overflow is determined and recorded.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.12: Inoperative / Abandoned Vehicles

Existing Resources: Ordinance (Chapter 21)

Responsibility for Implementation: Public Works

BMP Objective: Removal of inoperative vehicles from private property

Expected Results: Reduced stormwater pollution as a result of fewer inoperative vehicles

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Any abandoned or inoperative vehicle that is not meeting the requirements of the aforementioned code chapter shall be impounded if the owner refuses to make corrections.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.13: Hazardous Materials Response Team

Existing Resources: Hazardous Materials Response Team

Responsibility for Implementation: Danville Fire Department

BMP Objective: To control hazardous discharges in an offensive manner

Expected Results: The control of hazardous discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The Hazardous Materials Response Team is trained and equipped to work in hazardous environments in an offensive manner to stop or contain the discharge of hazardous materials.
- The Department of Environmental Quality is notified when the Haz-Mat team responds to the discharge of hazardous substances.
- All incidents that the Haz-Mat team responds to are documented.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.14: Establish a Tracking and Reporting System for Illicit Discharges

Existing Resources: City Works

Responsibility for Implementation: Public Works

BMP Objective: To better organize reported or discovered illicit discharges

Expected Results: Better organization of reported or discovered illicit discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All reported illicit discharges will be tracked using City Works.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.15: Notification of Downstream-Regulated MS4

Existing Resources: Notifications

Responsibility for Implementation: Public Works

BMP Objective: To notify any downstream MS4 that the Danville MS4 drains to their MS4.

Expected Results: Awareness by downstream MS4 of Danville's MS4

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Danville Community College, which is a regulated small MS4 that receives discharge from the Danville MS4, will be notified in writing.
- The Virginia Department of Transportation (VDOT), which is a regulated MS4 that receives discharge from the Danville MS4, will be notified in writing.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.16: Illicit Discharge Procedures Manual

Existing Resources: None

Responsibility for Implementation: Public Works

BMP Objective: To have written procedures defining how to effectively and consistently address illicit discharges

Expected Results: Better consistency concerning illicit discharge procedures

Implementation Schedule:

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Develop an Illicit Discharge Procedures Manual to identify, detect and eliminate illicit discharges
- Train employees using the manual
- Include illegal dumping in the manual

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.1: Erosion and Sediment Control Ordinance (compliance)

BMP 4.2: ESC Ordinance (implementation of ESC BMPs)

BMP 4.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

BMP 4.4: Requirement to Secure VSMP Prior to Issuance of the City's Land Disturbance Permit

BMP 4.5: Procedural Flow Chart (construction)

BMP 4.6: Certified Plan Reviewers, Inspectors and Program Administrators

BMP 4.7: Responsible Land Disturber (RLD) Requirement

BMP 4.8: Land Disturbance Permit Information

BMP 4.9: Alternative Inspection Program (AIP)

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.1: Erosion and Sediment Control Ordinance (compliance)

Existing Resources: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Maintain established requirements for erosion and sediment controls and penalties for non-compliance

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Danville's Erosion and Sediment Control ordinance shall require that a Land Disturbance Permit be issued and erosion and sediment controls be implemented for applicable projects greater than 5,000 sf of disturbance.
- Regular inspections of permitted projects for compliance.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.2: ESC Ordinance (implementation of ESC BMPs)

Existing Resources: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Maintain establish requirements for erosion and sediment controls and establish penalties for non-compliance

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The Erosion and Sediment Control Ordinance shall continue to require implementation of appropriate erosion and sediment control best management practices as part of an erosion and sediment control plan that is consistent with the Erosion and Sediment Control Law and attendant regulations and other applicable requirements of state, tribal, or local law.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

Existing Resources: Website information

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of low impact development

Expected Results: Consideration of low impact development by plan designers

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The city will encourage the use of structural and nonstructural design techniques to create a development design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology via its stormwater webpage.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.4: Requirement to Secure VSMP Prior to Issuance of the City's Land Disturbance Permit

Existing Resources: Erosion and Sediment Control Ordinance (VSMP requirement)

Responsibility for Implementation: Public Works

BMP Objective: Ensure that the VSMP permit is obtained for applicable projects

Expected Results: Compliance with VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City of Danville's Erosion and Sediment Control Program shall continue to require that the VSMP permit be obtained for applicable projects as a prerequisite to the issuance of the city's Land Disturbance Permit.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.5: Procedural Flow Chart (construction)

Existing Resources: Flow chart

Responsibility for Implementation: Public Works

BMP Objective: To establish procedures to consider information submitted by the public concerning land-disturbing projects

Expected Results: Consistent evaluation of submitted information

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The flow chart shall be established to outline the procedures for receipt and consideration of information submitted by the public concerning land disturbing projects.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.6: Certified Plan Reviewers, Inspectors and Program Administrators

Existing Resources: Certification for plan reviewers, inspectors, and program administrators

Responsibility for Implementation: Public Works

BMP Objective: Certifications for personnel as required under Erosion and Sediment Control Regulations and Stormwater Management Regulations

Expected Results: Compliance with certification requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All plan reviewers, inspectors and program administrators for the City of Danville shall be certified by the Department of Environmental Quality (DEQ) as required by the Erosion and Sediment Control Regulations and Stormwater Management Regulations.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.7: Responsible Land Disturber (RLD) Requirement

Existing Resources: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To make sure all applicable regulated land disturbing activities have an RLD listed for the project

Expected Results: Compliance with the ESC regulations

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All applicable projects shall be required to have a certified Responsible Land Disturber associated with the project as required under the Erosion and Sediment Control Law.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.8: Land Disturbance Permit Information

Existing Resources: Permit documentation

Responsibility for Implementation: Public Works

BMP Objective: To track information related to regulated land disturbing activities

Expected Results: Easy access of Land Disturbance Permit information

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All Land Disturbance permits issued will be tracked monthly and reported to DEQ.
- The disturbed area for each permit will be tracked.
- Land Disturbance Permit information will be submitted with each MS4 Annual Report.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.9: Alternative Inspection Program (AIP)

Existing Resources: Approved AIP

Responsibility for Implementation: Public Works

BMP Objective: To place emphasis on Land Disturbing projects that are larger or more complex

Expected Results: Better use of resources for inspecting permitted land-disturbing projects

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City shall continue to implement the DCR approved AIP.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.1: Required Compliance with the VSMP Permit

BMP 5.2: Strategies for Post-Construction Stormwater BMPs

BMP 5.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

BMP 5.4: Urban Stormwater Quality Discharge Control Ordinance

BMP 5.5: Requirement to Secure VSMP Construction Permit Prior to Issuance of the City's Land Disturbance Permit

BMP 5.6: Permanent Post Construction BMP Maintenance Agreement

BMP 5.7: Draft New Regulations Requiring Inspection Schedule from Owners

BMP 5.8: Draft New Ordinance or Modify Existing Maintenance Agreement for Enforcement of Maintenance Responsibilities by the Owner

BMP 5.9: Draft New Ordinance for Site Inspection and Enforcement Measures for Post-Construction Stormwater BMPs

BMP 5.10: Tracking of All Known Permanent Stormwater Management Facilities

BMP 5.11: Alternative Strategies for Individual Homeowner Lot BMPs

BMP 5.12: Operator Owned Stormwater Management Inspection Procedures

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.1: Required Compliance with the VSMP Permit

Existing Resources: Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To require appropriate post-construction stormwater BMPs

Expected Results: Reduced post-construction water quality impacts for applicable projects

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The city shall require compliance with the VSMP permit for applicable projects.
- Applicable projects shall not be approved until water quality requirements are met.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.2: Strategies for Post-Construction Stormwater BMPs

Existing Resources: Website information

Responsibility for Implementation: Public Works

BMP Objective: To encourage owners and developers to consider alternative designs for post construction BMPs

Expected Results: Greater awareness by owners and developers concerning structural and non-structural post construction BMPs

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City will encourage the use of structural and nonstructural BMPs appropriate for Danville via informational literature and/or the City's website.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

Existing Resources: Website information

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of Low Impact Development

Expected Results: Consideration of Low Impact Development

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The city will encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology via literature and/or the stormwater webpage.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.4: Urban Stormwater Quality Discharge Control Ordinance

Existing Resources: Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Reduction of post construction stormwater pollutants

Expected Results: Reduction of post construction stormwater pollutants

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The Urban Stormwater Quality Discharge Control Ordinance requires the control and reduction of stormwater pollutants for new development and redevelopment projects. The ordinance also requires compliance with the construction NPDES permit. (§9-179.27, §9-179.28)
- This ordinance will be reviewed annually and updated as necessary.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.5: Requirement to Secure VSMP Construction Permit Prior to Issuance of the City's Land Disturbance Permit

Existing Resources: Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Ensure that the VSMP permit is obtained for applicable projects

Expected Results: Compliance with VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Continue to maintain that the City of Danville's Erosion and Sediment Control Ordinance shall require that a copy of the registration statement for the VPDES construction permit be submitted to the city for applicable projects as a prerequisite to the issuance of the Land Disturbance Permit. (§13-26)

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.6: Permanent Post Construction BMP Maintenance Agreement

Existing Resources: BMP Maintenance Agreement

Responsibility for Implementation: Public Works

BMP Objective: Require owners to commit to maintaining post construction stormwater BMPs

Expected Results: Regular maintenance of post construction stormwater BMPs by owners

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City shall require that a maintenance agreement be executed for all permanent post-construction BMPs prior to plan approval and permit issuance.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.7: Draft New Regulations Requiring Inspection Schedule from Owners

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: Better maintenance of post construction BMPs

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: on hold

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- New regulations will be drafted to require owners to develop a recorded inspection schedule for all proposed permanent post construction stormwater BMPs.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.8: Draft New Ordinance or Modify Existing Maintenance Agreement for Enforcement of Maintenance Responsibilities by the Owner

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs if implemented

Implementation Schedule: on hold

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- An ordinance will be drafted and/or the existing maintenance agreement modified to insert a mechanism for enforcement of maintenance responsibilities by the owner if the BMP fails to be maintained as required.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.9: Draft New Ordinance for Site Inspection and Enforcement Measures for Post-Construction Stormwater BMPs

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: on hold

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- An ordinance will be drafted to address site inspection and enforcement measures for post-construction stormwater BMPs. The ordinance will be consistent with the Virginia Stormwater Management Act, 4VAC50-60-150 of the VSMP Permit Regulations, and other attendant regulations.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.10: Tracking of All Known Permanent Stormwater Management Facilities

Existing Resources: GIS BMP layer

Responsibility for Implementation: Public Works

BMP Objective: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Expected Results: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All known permanent stormwater management facilities within the City will be tracked. For each facility, the following information will be documented: type of structural stormwater management facility, geographic location (HUC), the impaired surface water that the stormwater management facility is discharging into (if applicable), and the number of acres treated.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.11: Alternative Strategies for Individual Homeowner Lot BMPs

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: Offer alternatives to maintenance agreements for homeowner BMP

Expected Results: Homeowner BMP maintenance without agreements

Implementation Schedule: 7/1/2015

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Develop outreach materials to promote long term maintenance of individual lot BMPs by homeowners as an alternative to recorded maintenance agreements.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.12: Operator Owned Stormwater Management Inspection Procedures

Existing Resources:

Responsibility for Implementation: Public Works

BMP Objective: To specify inspection procedures and frequency for operator owned BMPs

Expected Results: Better maintenance of Danville owned BMPs

Implementation Schedule: July 1, 2015

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Distinguish Danville owned facilities from private facilities.
- Develop inspection procedures for Danville owned BMP facilities that outline inspection protocol and frequency.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.1: Operation and Maintenance Procedures for Municipal Facilities, Operations, and Activities for Stormwater Pollution Prevention

BMP 6.2: Municipal Services that Reduce Stormwater Pollution

BMP 6.3: Municipal Operations to Reduce Stormwater Pollution

BMP 6.3a: Municipal Pollution Prevention Training

BMP 6.4: Elimination of Illicit Discharges from Municipal Facilities to the Maximum Extent Practicable

BMP 6.5: Proper Disposal of Waste Materials from Municipal Operations

BMP 6.6: Protection of Soluble or Erodible Materials from Exposure to Precipitation

BMP 6.7: Application of Materials in Accordance with Manufacturer's Recommendation or Other Recommendations

BMP 6.8: Identification of Locations Requiring SWPPPs

BMP 6.9: Nutrient Management Plan Location Identification

BMP 6.10: Training Program and Schedule

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.1: Operation and Maintenance Procedures for Municipal Facilities, Operations, and Activities for Stormwater Pollution Prevention

Existing Resources: Operations and Maintenance Plan

Responsibility for Implementation: All applicable city departments

BMP Objective: To provide a comprehensive operation and maintenance plan with standard operation procedures for each listed Department for certain operations

Expected Results: Organized operating procedures for each department to minimize or prevent stormwater pollution that may result from municipal activities

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Operation and maintenance procedures will be established and maintained to address stormwater pollution prevention from municipal operations.
- The Operations and Maintenance Plan will include housekeeping procedures.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.2: Municipal Services that Reduce Stormwater Pollution

Existing Resources: Policies and services

Responsibility for Implementation: Public Works

BMP Objective: To provide services to remove and properly dispose of waste

Expected Results: Reduced stormwater pollution

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- Dead animal pickup – Public Works shall remove and dispose of dead animals from the right of way including deceased pets.
- Recycling – Public Works shall administer a recycling service.
- Yard Waste Collection – Public Works shall administer a service to collect yard waste.
- Leaf Collection – Public Works shall provide means for the collection and disposal of leaves from residents.
- Refuse collection – Public Works shall administer a refuse collection service.
- Litter collection – Public Works shall administer a program for litter collection in the right-of-way.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.3: Municipal Operations to Reduce Stormwater Pollution

Existing Resources: Street sweeping and storm drain cleaning

Responsibility for Implementation: Public Works

BMP Objective: Cleaner streets and cleaner storm drains

Expected Results: Cleaner streets and cleaner storm drains

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Street Sweeping – The city will provide routine sweeping and cleaning of high traffic areas throughout the City where accumulations of debris occur so that the impact on stormwater systems is minimized. This includes the cleaning of gutters, turning lanes, and underpasses located in the City.
- Storm drain cleaning – Storm drains shall be cleaned on a complaint basis and when a storm drain is observed to need cleaning.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.3a: Municipal Pollution Prevention Training

Existing Resources: Videos, handouts, newsletter articles

Responsibility for Implementation: Various departments

BMP Objective: Provide information to municipal employees about stormwater pollution prevention

Expected Results: Reduced stormwater pollution from municipal activities

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- All applicable city employees will be given stormwater pollution prevention training using video, presentations, handouts, or other forms of communication.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.4: Elimination of Illicit Discharges from Municipal Facilities to the Maximum Extent Practicable

Existing Resources: Facility inspection

Responsibility for Implementation: All applicable departments

BMP Objective: Discovery of any illicit discharges at municipal facilities

Expected Results: Elimination of illicit discharges from municipal facilities

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All municipal facilities will be inspected to insure that there are no illicit discharges occurring from these facilities. All inspections will be documented and any illicit discharges that are discovered will be documented and corrected.
- All applicable employees shall be educated about illicit discharges from municipal facilities.
- Vehicles and equipment will be washed in a designated wash bay or other designated wash areas.
- Vehicles and equipment maintenance and repairs shall be performed indoors when possible.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.5: Proper Disposal of Waste Materials from Municipal Operations

Existing Resources: Disposal methods and procedures

Responsibility for Implementation: All applicable departments

BMP Objective: Insure proper disposal of waste materials

Expected Results: Proper disposal of waste materials

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All waste materials from municipal operations shall be disposed of properly.
- The following waste materials from municipal operations shall be recycled: used motor oil, used hydraulic fluid, used batteries, used antifreeze, tires, metal.
- All applicable employees shall be informed about proper waste disposal.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.6: Protection of Soluble or Erodible Materials from Exposure to Precipitation

Existing Resources: Material storage policy

Responsibility for Implementation: All applicable departments

BMP Objective: Protection of soluble or erodible materials from exposure to precipitation

Expected Results: Reduced stormwater pollution from stored materials

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Road salt for winter operations shall be stored in the salt dome.
- Sand for winter operations shall be stored in the sand dome.
- Oils, grease, and other maintenance fluids will be stored in lidded containers.
- Exposure of other materials to the environment that are soluble or erodible will be minimized to the maximum extent practicable.
- All applicable employees shall be educated about proper storage of erodible and soluble materials.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.7: Application of Materials in Accordance with Manufacturer's Recommendation or Other Recommendations

Existing Resources: Training

Responsibility for Implementation: All applicable departments

BMP Objective: To insure proper application of materials that could pollute receiving surface waters

Expected Results: Reduced stormwater pollution from certain materials

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Pesticide training and certification - all applicable municipal employees shall be trained and certified in the application of pesticides.
- Fertilizer application – all applicable municipal employees shall be trained in the proper application of fertilizers.
- Road salt application - all applicable municipal employees shall be trained on the proper application rates of road salt from spreaders.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.8: Identification of Locations Requiring SWPPPs

Existing Resources:

Responsibility for Implementation: All applicable departments

BMP Objective: Identification of municipal locations requiring SWPPPs

Expected Results: SWPPP development for facilities that currently do not have them

Implementation Schedule: July 1, 2015 (identification) December 30, 2015 (SWPPP)

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Municipal facilities within the City of Danville that do not currently have SWPPPs that have the potential to impact stormwater quality will be identified.
- SWPPPs for these identified facilities will be developed.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.9: Nutrient Management Plan Location Identification

Existing Resources:

Responsibility for Implementation: All applicable departments

BMP Objective: Identification of municipal areas that need nutrient management plans

Expected Results: Area needing nutrient plans will be identified

Implementation Schedule: February 27, 2015

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Each department will submit information regarding areas needing nutrient management plans
- All areas will be documented.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.10: Training Program and Schedule

Existing Resources: Training materials

Responsibility for Implementation: All applicable departments

BMP Objective: To have a better defined stormwater pollution prevention training program

Expected Results: More comprehensive and organized stormwater training program

Implementation Schedule: July 1, 2015

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Identify all available training resources.
- Compile training schedules from all applicable departments.